Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	559	(715/531).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/27 07:32
S2	264	(715/512).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/27 08:49
S3	15	(715/911).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/27 11:30
S4	9	("5384703" "5384863" "5491760" "5570435" "5638543" "5687254" "5689716" "5748805" "5848191").pn.	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:03
S5	50	("4591984" "4595952" "4627724" "4789339" "4802002" "4813061" "4823281" "4840069" "4884291" "4903316" "4922293" "4935616" "4965453" "4991093" "5001736" "5026953" "5181124" "5193120" "5195114" "5237538" "5247170" "5256866" "5259012" "5268575" "5280167" "5283867" "5285293" "5295003" "5307454" "5309235" "5310962" "5313373" "5317678" "5341217" "5352899" "5367672" "5387930" "5389975" "5393985" "5410644" "5418535" "5430809" "5448301" "5448306" "5448609" "5465258" "5510908" "5526259" "5528655" "5528732").pn.	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:33
S6	50	("5267335" "5434674" "5819261" "5414805" "5432334" "5475212" "5491778" "5629988" "5866331" "5872864" "5911139" "5913205" "5915250" "4541114" "4569078" "4587513" "4602285" "5250747" "5267026" "5459793" "5485500" "5568590" "5579063" "5637866" "5650814" "5778104" "5893095" "5899863" "5903904" "5954653" "6014462" "6027195" "6055023" "6101020" "6126603" "6138149" "6145946" "6188785" "4257689" "4270142" "4310857" "4336539" "4479706" "4513440" "4533227" "4556986" "4560882" "4573179" "4577133" "4590608").pn.	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:33

S7	109	(("5384703" "5384863" "5491760" "5570435" "5638543" "5687254" "5689716" "5748805" "5848191").pn.) or (("4591984" "4595952" "4627724" "4789339" "4802002" "4813061" "4823281" "4840069" "4884291" "4903316" "4922293" "4935616" "4965453" "4991093" "5001736" "5026953" "5181124" "5193120" "5195114" "5237538" "5247170" "5256866" "5259012" "5268575" "5280167" "5283867" "5285293" "5295003" "5307454" "5309235" "5310962" "5313373" "5317678" "5341217" "5352899" "5367672" "5387930" "5389975" "5393985" "5410644" "5418535" "5430809" "5448301" "5448306" "5448609" "5465258" "5510908" "5526259" "5528655" "5528732").pn.) or (("5267335" "5434674" "5819261" "5414805" "5432334" "5475212" "5491778" "5629988" "5866331" "5872864" "5911139" "5913205" "5915250" "4541114" "4569078" "4587513" "4602285" "5250747" "5267026" "5459793" "5485500" "5568590" "5579063" "5637866" "5650814" "5778104" "5893095" "5899863" "5903904" "5954653" "6014462" "6027195" "6055023" "6101020" "6126603" "6138149" "6145946" "6188785" "4257689" "4270142" "4310857" "4336539" "4479706" "4513440" "4533227" "4556986" "4560882" "4573179" "4577133" "4590608").pn.)	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:33
S8	828	((715/531).CCLS.) or ((715/512).CCLS.) or ((715/911).CCLS.)	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:34
S9	627	target adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:34
S10	1847	source adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:35
S11	13877	annotat$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:40
S12	875565	storage	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:35
S13	4	((target adj document) same (source adj document) same annotat$4) and storage	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:39
S14	456491	copy$3 or reproduc$3 or duplicat$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:39

S15	169812	annotat$4 or highlight$3 or marking$1	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:52
S16	179643	document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:40
S17	1388	(copy$3 or reproduc$3 or duplicat$3) same (annotat$4 or highlight$3 or marking$1) same document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:40
S18	41	((((715/531).CCLS.) or ((715/512).CCLS.) or ((715/911).CCLS.)) or ((("5384703" "5384863" "5491760" "5570435" "5638543" "5687254" "5689716" "5748805" "5848191").pn.) or (("4591984" "4595952" "4627724" "4789339" "4802002" "4813061" "4823281" "4840069" "4884291" "4903316" "4922293" "4935616" "4965453" "4991093" "5001736" "5026953" "5181124" "5193120" "5195114" "5237538" "5247170" "5256866" "5259012" "5268575" "5280167" "5283867" "5285293" "5295003" "5307454" "5309235" "5310962" "5313373" "5317678" "5341217" "5352899" "5367672" "5387930" "5389975" "5393985" "5410644" "5418535" "5430809" "5448301" "5448306" "5448609" "5465258" "5510908" "5526259" "5528655" "5528732").pn.) or (("5267335" "5434674" "5819261" "5414805" "5432334" "5475212" "5491778" "5629988" "5866331" "5872864" "5911139" "5913205" "5915250" "4541114" "4569078" "4587513" "4602285" "5250747" "5267026" "5459793" "5485500" "5568590" "5579063" "5637866" "5650814" "5778104" "5893095" "5899863" "5903904" "5954653" "6014462" "6027195" "6055023" "6101020" "6126603" "6138149" "6145946" "6188785" "4257689" "4270142" "4310857" "4336539" "4479706" "4513440" "4533227" "4556986" "4560882" "4573179" "4577133" "4590608").pn.))) and ((copy$3 or reproduc$3 or duplicat$3) same (annotat$4 or highlight$3 or marking$1) same document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:40
S19	68390	annotat$4 or highlight$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:57

S20	3344907	source or first or original	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:53
S21	179643	document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:53
S22	16070	(source or first or original) adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:54
S23	2882	(target or second) adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:54
S24	27	((source or first or original) adj document) same (annotat$4 or highlight$3) same ((target or second) adj document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:54
S25	13877	annotat$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 07:57
S26	14	((source or first or original) adj document) same annotat$4 same ((target or second) adj document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:03
S27	42	(copy$3 or duplicat$3 or reproduc$3) adj annotation$1	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:19
S28	57394	highlight$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:23
S29	1283243	word$1 or passage$1	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:19
S30	467837	copy$3 or duplicat$3 or reproduc$3 or recreat$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:26
S31	2882	(second or target) adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:20
S32	16070	(first or source or original) adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:21
S33	2	highlight$3 same (word$1 or passage$1) same (copy$3 or duplicat$3 or reproduc$3 or recreat$3) same ((second or target) adj document) same ((first or source or original) adj document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:21
S34	32162	annotat$4 or mark-up$2 or markup$2	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:23

S35	0	(word$1 or passage$1) same (copy$3 or duplicat$3 or reproduc$3 or recreat$3) same ((second or target) adj document) same ((first or source or original) adj document) same (highlight$3 same (word$1 or passage$1) same (copy$3 or duplicat$3 or reproduc$3 or recreat$3) same ((second or target) adj document) same ((first or source or original) adj document)) same (annotat$4 or mark-up$2 or markup$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:23
S36	1	(word$1 or passage$1) same (copy$3 or duplicat$3 or reproduc$3 or recreat$3) same ((second or target) adj document) same ((first or source or original) adj document) same (annotat$4 or mark-up$2 or markup$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:26
S37	966	(copy$3 or duplicat$3 or reproduc$3 or recreat$3) same annotat$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:26
S38	469	(copy$3 or duplicat$3 or reproduc$3 or recreat$3) with annotat$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:26
S39	330629	duplicat$3 or reproduc$3 or recreat$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:51
S40	163	(duplicat$3 or reproduc$3 or recreat$3) with annotat$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:28
S41	24	((duplicat$3 or reproduc$3 or recreat$3) with annotat$4) same document$1	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:28
S42	79	(duplicat$3 or reproduc$3 or recreat$3) and ((715/512).CCLS.)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:49
S43	250878	search$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:49
S44	50	((duplicat$3 or reproduc$3 or recreat$3) and ((715/512).CCLS.)) and search$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:50
S45	2896182	second	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:50
S46	50	(((duplicat$3 or reproduc$3 or recreat$3) and ((715/512).CCLS.)) and search$3) and second	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:50
S47	1903	(duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:52

S48	50	((duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)) same search$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:53
S49	0	(((duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)) same search$3) and ((715/512).CCLS.)	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:52
S50	103	((duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)) same document	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:53
S51	110	((duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)) same document$2	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:54
S52	2	(((duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)) same document$2) same search$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 08:54
S53	26	(((duplicat$3 or reproduc$3 or recreat$3) with (annotat$3 or underlin$3 or highlight$3 or circl$3)) same document$2) and search$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:14
S54	1	annotat$3 same document same (copy$3 or reproduc$3 or recreat$3 or replicat$3) same search$3	DERWENT	OR	OFF	2004/08/27 09:15
S55	12	annotat$3 same document same (copy$3 or reproduc$3 or recreat$3 or replicat$3)	DERWENT	OR	OFF	2004/08/27 09:17
S56	2	annotat$3 same document same (copy$3 or reproduc$3 or recreat$3 or replicat$3)	EPO	OR	OFF	2004/08/27 09:18
S57	11	annotat$3 same document same (copy$3 or reproduc$3 or recreat$3 or replicat$3)	IBM_TDB	OR	OFF	2004/08/27 09:20
S58	0	annotat$3 same document same (copy$3 or reproduc$3 or recreat$3 or replicat$3)	USOCR	OR	OFF	2004/08/27 09:21
S59	3	annotat$3 same document same (copy$3 or reproduc$3 or recreat$3 or replicat$3)	JPO	OR	OFF	2004/08/27 09:27
S60	1	(copy$3 with highlighted) same (second or another or target) adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:29

S61	0	(copy$3 with annotated) same (second or another or target) adj document	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:29
S62	0	(copy$3 with annotated) same ((second or another or target) adj document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:29
S63	3	(copy$3 with marked) same ((second or another or target) adj document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:31
S64	1	(copy$3 with underlined) same ((second or another or target) adj document)	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:32
S65	57394	highlight$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:33
S66	16	(search$3 same document$1 same (match$3 near3 (passage$1 or phrase$1 or section$1 or word$1))) same highlight$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:33
S67	361	search$3 same document$1 same (match$3 near3 (passage$1 or phrase$1 or section$1 or word$1))	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:37
S68	12626	annotat$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:37
S69	88	(search$3 same document$1 same (match$3 near3 (passage$1 or phrase$1 or section$1 or word$1))) and annotat$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:37
S70	4	(search$3 same document$1 same (match$3 near3 (passage$1 or phrase$1 or section$1 or word$1))) same annotat$3	US-PGPUB; USPAT	OR	OFF	2004/08/27 09:37
S71	0	highlight$3 near3 saved near2 (passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:04
S72	0	highlight$3 near3 stored near2 (passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:04
S73	407	highlight$3 same stored same(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:04
S74	47	highlight$3 same stored near2(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:05
S75	0	((copy$3 or reproduc$3) near2 highlight$3) same stored near2(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:06
S76	2	((copy$3 or reproduc$3) near4 highlight$3) same stored near2(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:07
S77	0	((copy$3 or reproduc$3) near4 underlin$3) same stored near2(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:08

S78	0	((copy$3 or reproduc$3 or duplicat$3) near4 underlin$3) same stored near2(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:08
S79	0	((copy$3 or reproduc$3 or duplicat$3) near4 underlin$3) same saved near2(passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:08
S80	20	((copy$3 or reproduc$3 or duplicat$3) near4 underlin$3) same (passage$2 or word$2)	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:14
S81	34	highlight same word same database	US-PGPUB; USPAT	OR	OFF	2004/08/27 10:12
S82	77	(copy$3 or reproduc$3 or duplicat$3) near3 annotation	US-PGPUB; USPAT	OR	OFF	2004/08/27 11:04
S83	65	topicality	US-PGPUB; USPAT	OR	OFF	2004/08/27 11:30
S84	12	topicality and annotat$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 11:35
S85	32	annotation adj technique$1	US-PGPUB; USPAT	OR	OFF	2004/08/27 12:56
S86	24	(US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.	US-PGPUB; USPAT; JPO	OR	OFF	2004/08/30 08:35
S87	255441	Lee or Britton	US-PGPUB; USPAT	OR	OFF	2004/08/30 08:35

S88	4	((US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.) and (Lee or Britton)	US-PGPUB; USPAT	OR	OFF	2004/08/30 08:35
S89	21	apply$3 adj annotation$1	US-PGPUB; USPAT	OR	OFF	2004/08/30 08:52
S90	4	(Lee or Britton) and (apply$3 adj annotation$1)	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:08
S91	6200	OCR	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:08
S92	1	((US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.) and OCR	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:15
S93	1068	annotation same type	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:16

S94	11	((US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.) and (annotation same type)	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:17
S95	57394	highlight$3	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:16
S96	69	(annotation same type) same highlight$3	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:17
S97	3	((US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.) and ((annotation same type) same highlight$3)	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:21
S98	2231076	detect$3 or determin$3	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:21
S99	299	type near3 annotation	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:22
S100	14	(detect$3 or determin$3) with (type near3 annotation)	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:41
S101	1	("6279014").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/30 09:25

S102	1	("6154757").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/30 09:46
S103	450	Kusuda	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:46
S104	1	((US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.) and Kusuda	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:57
S105	81447	Evans	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:57
S106	1	((US-6675352-$ or US-6438564-$ or US-6370551-$ or US-5581682-$ or US-6470306-$ or US-6618727-$ or US-6324555-$ or US-6173287-$ or US-5920694-$ or US-5877963-$ or US-6363179-$ or US-6377945-$ or US-6154757-$ or US-5822539-$).did. or (US-20040163042-$ or US-20040078757-$ or US-20030018668-$ or US-20020101447-$ or US-20010051958-$ or US-20010016872-$ or US-20020023094-$ or US-20040088332-$ or US-20020052870-$).did. or (JP-10055371-$).did.) and Evans	US-PGPUB; USPAT	OR	OFF	2004/08/30 09:57
S107	630	(715/531).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 10:45
S108	346	(715/512).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 10:45
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S110	18104	annotat$6	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:49
S111	539292	identify$3	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:49
S112	454691	target$1	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:50
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S114	2704969	database$1	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:50
S115	867537	word$1	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:50
S116	2	S110 same S115 same S112 same S113 same S114	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:50

Published before October 2001
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1 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 Technique for automatically correcting words in text
Karen Kukich
December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4
Full text available: pdf(6.23 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

3 ProbView: a flexible probabilistic database system
Laks V. S. Lakshmanan, Nicola Leone, Robert Ross, V. S. Subrahmanian
September 1997 **ACM Transactions on Database Systems (TODS)**, Volume 22 Issue 3
Full text available: pdf(1.92 MB) Additional Information: full citation, abstract, references, citings, index terms

Probability theory is mathematically the best understood paradigm for modeling and manipulating uncertain information. Probabilities of complex events can be computed from those of basic events on which they depend, using any of a number of strategies. Which strategy is appropriate depends very much on the known interdependencies among the events involved. Previous work on probabilistic databases has assumed a fixed and restrictivecombination strategy (e ...

Keywords: probabilistic databases, view maintenance

4 The interaction of knowledge sources in word sense disambiguation
Mark Stevenson, Yorick Wilks
September 2001 **Computational Linguistics**, Volume 27 Issue 3

Full text available: pdf(2.16 MB) Additional Information: full citation, abstract, references
Publisher Site

Word sense disambiguation (WSD) is a computational linguistics task likely to benefit from the tradition of combining different knowledge sources in artificial in telligence research. An important step in the exploration of this hypothesis is to determine which linguistic knowledge sources are most useful and whether their combination leads to improved results. We present a sense tagger which uses several knowledge sources. Tested accuracy exceeds 94% on our evaluation corpus.Our system attempts ...

5 The FINITE STRING Newsletter: Abstracts of current literature
Computational Linguistics Staff
January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Full text available: pdf(6.15 MB) Additional Information: full citation
Publisher Site

6 Special issue on word sense disambiguation: Introduction to the special issue on word sense disambiguation: the state of the art
Nancy Ide, Jean Véronis
March 1998 **Computational Linguistics**, Volume 24 Issue 1

Full text available: pdf(3.44 MB) Additional Information: full citation, references, citings
Publisher Site

7 The state of the art in distributed query processing
Donald Kossmann
December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4

Full text available: pdf(455.39 KB) Additional Information: full citation, abstract, references, citings, index terms

Distributed data processing is becoming a reality. Businesses want to do it for many reasons, and they often must do it in order to stay competitive. While much of the infrastructure for distributed data processing is already there (e.g., modern network technology), a number of issues make distributed data processing still a complex undertaking: (1) distributed systems can become very large, involving thousands of heterogeneous sites including PCs and mainframe server machines; (2) the stat ...

Keywords: caching, client-server databases, database application systems, dissemination-based information systems, economic models for query processing, middleware, multitier

architectures, query execution, query optimization, replication, wrappers

8 Amalgamating knowledge bases
V. S. Subrahmanian
June 1994 **ACM Transactions on Database Systems (TODS)**, Volume 19 Issue 2

Full text available: pdf(2.59 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The integration of knowledge for multiple sources is an important aspect of automated reasoning systems. When different knowledge bases are used to store knowledge provided by multiple sources, we are faced with the problem of integrating multiple knowledge bases: Under these circumstances, we are also confronted with the prospect of inconsistency. In this paper we present a uniform theoretical framework, based on annotated logics, for amalgamating mult ...

Keywords: amalgamated knowledge bases, annotated logics

9 Spatial and temporal content-based access to hypervideo databases
Haitao Jiang, Ahmed K. Elmagarmid
December 1998 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 7 Issue 4

Full text available: pdf(241.17 KB) Additional Information: full citation, abstract, citings, index terms

Providing content-based video query, retrieval and browsing is the most important goal of a video database management system (VDBMS). Video data is unique not only in terms of its spatial and temporal characteristics, but also in the semantic associations manifested by the entities present in the video. This paper introduces a novel video data model called *Logical Hypervideo Data Model*. In addition to multilevel video abstractions, the model is capable of representing video entities that ...

Keywords: Ccontent-based query, Hot object, Hypervideo, Spatial and temporal constraint, Video database

10 The Knowledge Weasel hypermedia annotation system
Daryl T. Lawton, Ian E. Smith
December 1993 **Proceedings of the fifth ACM conference on Hypertext**

Full text available: pdf(1.50 MB) Additional Information: full citation, references, citings, index terms

Keywords: collaborative annotation, hypermedia, link-based navigation, query-based navigation

11 Facilitating transformations in a human genome project database
S. B. Davidson, A. S. Kosky, B. Eckman
November 1994 **Proceedings of the third international conference on Information and knowledge management**

Full text available: pdf(994.91 KB) Additional Information: full citation, abstract, references, index terms

Human Genome Project databases present a confluence of interesting database challenges: rapid schema and data evolution, complex data entry and constraint management, and the need to integrate multiple data sources and software systems which range over a wide variety of models and formats. While these challenges are not necessarily unique to

biological databases, their combination, intensity and complexity are unusual and make automated solutions imperative. We illustrate these problems in ...

12 Information retrieval on the web

Mei Kobayashi, Koichi Takeda

June 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 2

Full text available: pdf(213.89 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

Keywords: Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine

13 Application of analogical modelling to example based machine translation

Christos Malavazos, Stelios Piperidis

July 2000 **Proceedings of the 18th conference on Computational linguistics - Volume 1**

Full text available: pdf(676.45 KB) Additional Information: full citation, abstract, references

This paper describes a self-modelling, incremental algorithm for learning translation rules from existing bilingual corpora. The notions of supracontext and subcontext are extended to encompass bilingual information through simultaneous analogy on both source and target sentences and juxtaposition of corresponding results. Analogical modelling is performed during the learning phase and translation patterns are projected in a multi-dimensional analogical network. The proposed framework was evalua ...

14 Formative design evaluation of superbook

Dennis E. Egan, Joel R. Remde, Louis M. Gomez, Thomas K. Landauer, Jennifer Eberhardt, Carol C. Lochbaum

January 1989 **ACM Transactions on Information Systems (TOIS)**, Volume 7 Issue 1

Full text available: pdf(2.53 MB) Additional Information: full citation, abstract, references, citings, index terms

SuperBook is a hypertext browsing system designed to improve the usability of conventional documents. Successive versions of SuperBook were evaluated in a series of behavioral studies. Students searched for information in a statistics text. presented either in conventional printed form or in SuperBook form. The best version of SuperBook enabled students to answer search questions more quickly and accurately than they could with the conventional text. Students wrote higher quality "ope ...

15 The Desert environment

Steven P. Reiss

October 1999 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 8 Issue 4

Full text available: pdf(868.64 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The Desert software engineering environment is a suite of tools developed to enhance programmer productivity through increased tool integration. It introduces an inexpensive form of data integration to provide additional tool capabilities and information sharing among tools, uses a common editor to give high-quality semantic feedback and to integrate

different types of software artifacts, and builds virtual files on demand to address specific tasks. All this is done in an open and extensibl ...

Keywords: integrated programming environments, program editors

16 Interactive Editing Systems: Part II
Norman Meyrowitz, Andries van Dam
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3
Full text available: pdf(9.17 MB) Additional Information: full citation, references, citings, index terms

17 The SimpleScalar tool set, version 2.0
Doug Burger, Todd M. Austin
June 1997 **ACM SIGARCH Computer Architecture News**, Volume 25 Issue 3
Full text available: pdf(985.46 KB) Additional Information: full citation, abstract, citings, index terms

This document describes release 2.0 of the SimpleScalar tool set, a suite of free, publicly available simulation tools that offer both detailed and high-performance simulation of modern microprocessors. The new release offers more tools and capabilities, precompiled binaries, cleaner interfaces, better documentation, easier installation, improved portability, and higher performance. This paper contains a complete description of the tool set, including retrieval and installation instructions, a d ...

18 Tracing the lineage of view data in a warehousing environment
Yingwei Cui, Jennifer Widom, Janet L. Wiener
June 2000 **ACM Transactions on Database Systems (TODS)**, Volume 25 Issue 2
Full text available: pdf(458.90 KB) Additional Information: full citation, abstract, references, citings, index terms

We consider the view data lineageproblem in a warehousing environment: For a given data item in a materialized warehouse view, we want to identify the set of source data items that produced the view item. We formally define the lineage problem, develop lineage tracing algorithms for relational views with aggregation, and propose mechanisms for performing consistent lineage tracing in a multisource data warehousing environment. Our result can form the basis of a tool that al ...

Keywords: data warehouse, derviation, lineage, materialized views

19 Special section: Machine translation of natural languages
Sergei Nirenburg
January 1985 **ACM SIGART Bulletin**, Issue 91
Full text available: pdf(1.75 MB) Additional Information: full citation, abstract, references

The field of machine translation has recently entered a new, third period in its evolution. In its early period, for roughly fifteen years from 1950 MT was an expanding field of study in which both research and development efforts were undertaken. It is well-known and well documented (Bar Hillel, 1960; ALPAC, 1966) that this early MT paradigm could not and did not produce fully automated high quality translation systems. In fact, the practical results were quite negligible for such a high-scale ...

20 A Web Odyssey: from Codd to XML
Victor Vianu
May 2001 **Proceedings of the twentieth ACM SIGMOD-SIGACT-SIGART symposium on**

Principles of database systems

Full text available: pdf(282.10 KB) Additional Information: full citation, references, citings, index terms

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